

**Vietnam - 3W** A team of Japanese operators will be active from Vietnam as 3WØJA Dec. 25-Jan. 5, on 80-10 meters. They'll run 500 watts into a three-element beam on the high bands, and use a dipole on the lower frequencies. CW and SSB; no RTTY. Also, permission to operate 6 meters was denied. Watch the usual DX frequencies. Sunrise 2310Z; sunset 1030Z. Operators are JA2JPA, JJ2BBZ, JA6LDD, JA7JPZ, JA7DRM, and JA7SGV. QSL to JA7JPZ.

**Maldives - 8Q7** Silvio F6EEM and Florence F6FYP will operate from the Maldives Jan. 12-17, on SSB, CW, and possibly RTTY. On SSB, watch 3870, 14256, 21210, and 28470 kHz, as well as DX nets. On CW, try 25 kHz up on the higher bands, and 7005 kHz. Sunrise 0120Z; sunset 1305Z. Callsigns have not been assigned yet. QSL to the French DX Foundation, Box 88, F35170 Bruz, France.

Edited by Chod Harris VP2ML

# The DX Bulletin

America's Premier Weekly Amateur Radio Publication

**Marianas - KHØ** JA2NQG and JA2SWJ will operate as AHØF in the CQWW 160-meter contest Jan. 27-28, 1990. The day before and the day after the test, they'll be on 160-6 meters, including the new bands, on CW and SSB, and will accept non-net schedules. QSL to JA2NQG.

**St. Vincent - J8** Joe Adams VE3CPU will be /J88 Dec. 30-Jan. 30, on 160-6 meters. Primarily CW. QSL home call. Joe is one of the DXers who became hooked on DXpeditioning after a stay at The Last Resort. He was one of the VK9ZM/VK9ZW operators.

**Thailand - HS** John Sweeney K9EL has rescheduled his Asian trip, and now expects to operate HSØE Dec. 7-12. Complete details are in Issue 511.

**Spratty Is. - 1S** The Hungarian operators were not on the air from Laos as of Dec. 4. They may try for Spratty.

## Shortly Noted

- **TL8CM**, operated by DL8CM on CW until Dec. 14, has been very workable. See Bandpass for favorite times and frequencies.
- **EK9AO** is a special event station from Novosibirsk Dec. 25-27, in honor "Russian Winter," from the "Children Fight for Peace" series. An international group of 150 children from four countries, including the US, will tour the Novosibirsk Oblast on horseback and dog sled. Operators of EK9AO will be Alex Pashkov UA9AO and George Maishev UW9OD. QSL via the bureau or direct to Box 44, Novosibirsk-93, 630093 USSR.
- **QSL Notes:** The RØY/UA9YX and RØY/RA9YZ cards from October have not yet been printed. They are expected this month. Please don't send follow-up requests. QSL Oleg Novichkov UA9YX, Box 1371, Barnaul, 656014 USSR for both calls. Should the Hungarians get on from Laos, NA, SA, and Japanese DXers should QSL to the French DX Foundation, Box 1384, Millbrook NY 12545. The rest of the world should QSL to F6HIZ, Box 67, 06140 Vence, France. Don't send cards to the FDXF Bruz address. The FDXF reports that F6FYP is still several thousand QSLs behind on the FOØEXV/FOØCW Austral and Marquesas operations. Also, the cards for TT8GA, CNØS, CNØA, and C3ØEEA are due out from the FDXF this month. The VU7NRO cards are starting to arrive, finally.
- **SSB Nets:** PT7EI says that the Brazil DX Net meets on 28530 kHz at 1200Z on weekends, and on 21205 kHz at 1900Z Saturdays. Philippine operators meet on 28585 kHz at 22-2400Z. Check-ins: 7160 kHz: EA8ED V63JC; 14156: XW8KPL; 14222: A61AC HC8JG; 14227: FK8FA XX9KA VQ9PN V63JC 5W1KT A61AC P29KK; 14250: A61AC A92DQ YK1AO TU2JL; 14256: TT8GA D44BC CN8CC FT4ZE D2/LU6ELF; 21335: TT8GA 3B9FR TU2UI XT2KG 5V7DP ZC4AB AP2JZB ZS9A ZD7CW.
- **6 Meters:** The Magic Band has been open essentially world wide at times, with four or five continents available simultaneously. At least seven operators have worked more than 100 DXCC countries on 6; it's only a matter of time before the ARRL will award the first DXCC on the band. Among the countries worked recently are: Barbados, Ascension Is., Madeira, Cape Verde, Galapagos, Haiti, Alaska, Guantanamo, Iceland, Midway, Zimbabwe, Japan, and lots of European countries. One west coast operator reported working a 3P1 station, which is a callsign assigned to China. Grid square was consistent with the call.
- **RTTY:** Some active stations: 9Q5EE 14091 0620Z; FR5ZD 28087 0800Z; 5Z4BH 21088 2100Z; EA9JV 14083 0100Z; TJ1MW 14095 2310Z; UM9MTF 14090 0445Z; YIØBIF 21090 1320Z; F6BEF/3X 21088 1650Z; UA1ZH 14088 1400Z; UZ9CWA 14086 0430Z; FK8BK 14074 FEC 0500Z; C31ON 21091 1630Z; 9K2KA 14074 ARQ 2210Z; TK5IU 14091 2240Z; 6W6JX 14090 0700Z; D44BC 14090 1645Z; TU2BB 14091 2135Z; UQ1GWW 14091 0315Z; 9M6KT 14096 0800Z; TA3B 21084 1110Z.



## Propagation

### Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
December 1989	Date Flux A K	Date Flux A K
8 High Normal	11/11 252 15/15 3	10/14 225 00/05 0
9 Above Normal	11/12 260 06/07 1	10/15 225 00/06 0
10 Below Normal	11/13 244 41/36 4	10/16 236 08/12 2
11 High Normal	11/14 244 10/13 1	10/17 224 12/13 2
12 Above Normal	11/15 220 04/06 1	10/18 226 15/19 3
13 Above Normal	11/16 218 06/07 2	10/19 227 19/24 1
14 Disturbed	11/17 219 62/67 6	10/20 205 74/84 7
15 Disturbed	11/18 216 29/42 2	10/21 206 77/99 5
16 Above Normal	11/19 235 08/09 2	10/22 225 33/45 3
17 Above Normal	11/20 229 08/09 2	10/23 211 20/23 3
18 Above Normal	11/21 231 09/10 1	10/24 213 17/17 3

### Propagation Watch

November marks the first time since the late 1950s that the solar flux stayed above 200 for an entire calendar month. The month also featured some of the best radio propagation in recent memory, and maybe of all time. (Some old timers are going to jump on that statement! -ed.)

The geomagnetic field was remarkably quiet during November, with the planetary A index exceeding 20 only six days. The planetary K index was three or below 85% of the month, and was 2 or below almost 60% of the time. Christmas came early for DXers this year.

The more active side of the sun is facing our way now, and we should see an increase in solar flux, and an increasing chance of geomagnetic disturbances. The sunspot region that has produced geomagnetic storms in October and November is swinging around into view again, and we may see a repeat of the degraded band conditions around the middle of December.

In the absence of major flares, we can expect propagation to remain excellent on all bands, 80-6 meters. Look for high-band openings during daylight hours, generally following the sun. The local dawn long path on 40-20 meters continues to be very productive, even for modest stations. The lower bands are enjoying seasonal improvement, which, coupled with a quiet geomagnetic field, has made even 160 meters worth a look.

The odds say to expect at least one X-class solar flare every week, so keep an ear on WWV and WWVH for the late word. Fortunately at this time of the year, the effects of even a major flare should be short-lived. Meanwhile, enjoy the great DXing!

### Regulars

■ Asiatic RSFSR	UAØFZ	3505	1000Z
■ Chad	TT8GA	28485	1200Z
■ Chagos	VQ9DM	14025	0200Z
■ China	BY4RB	21028	0020Z
■ Equatorial Guinea	3C1EA	21030	2345Z
■ India	VU2TEC	20M CW	0200Z
■ Iraq	YI1BDG	28540	1400Z
■ Johnston Island	KNØE/KH3	20M CW	0430Z
■ Jordan	JY9SR	20M CW	0200Z
■ Juan Fernandez	CEØOGZ	15M CW	2030Z
■ Lesotho	7P8EG	3796	0300Z
■ Liberia	EL2CX	21024	2200Z
■ Oman	A41KJ	14193 LP	1315Z
■ Oman	A45YT	10M SSB	1400Z
■ San Andres	HKØBKX	28010	14-19Z
■ Sierra Leone	9L1CM	21230	2100Z
■ South Shetlands	HL5BDS	14012	22-01Z
■ South Orkneys	LU1ZA	14004	2200Z
■ St. Helena	ZD7KM	15M CW	2030Z
■ Swaziland	3DAØBK	28500	1700Z
■ Taiwan	BV2DA	14026	1315Z
■ Taiwan	BV2A	14015	1300Z
■ Taiwan	BV2DA	28010	0000Z
■ Uzbekistan	UI9AAB	20M CW	1300Z
■ West Malaysia	9M2AX	3502	1200Z
■ Zone 23	BY9GA	21025	0130Z

### Club Bouvet

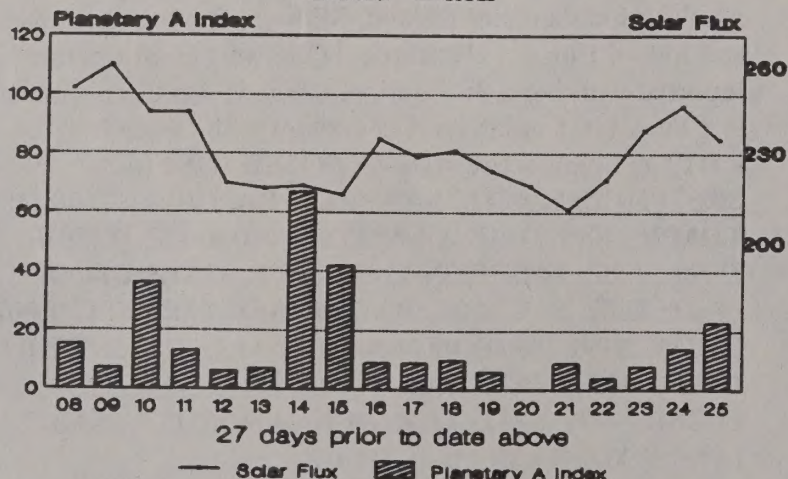
The Club Bouvet 3Y5B DXpedition is proceeding on schedule. The MV Aurora, complete with helicopter, is on its way to Montevideo, Uruguay, where the expedition team, including four amateur operators, a scientific team, and a photographer, will board. The group expects to arrive at Bouvet around Dec. 23, and stay for 23 days, including a minimum of 14 days on the air. They plan operations from both sides of the island, to improve signal strengths into Japan, whose amateurs have provided about 60% of the amateur funding for the trip.

The six operators will be Einar LA1EE, Kare LA2GV, LA8NH, JF1IST, HB9AHL, and Jacky F2CW. Erling LA6VM will not be able to make the trip, but continues to serve as treasurer and QSL manager. Icom is providing radios for five stations. They'll be active on 160-6 meters, and will carry RTTY gear, although their main objective is to give as many hams as possible a new country, not to boost individual band or mode totals. Einar said "I kind of like" the channelized split operation that Eric SMØAGD uses on SSB on the higher bands. Look for this on 10 and 15 meters.

Club Bouvet is still about US\$20,000 behind their target funding, and continues to request assistance. Funds can be sent to Club Bouvet at Box 88, N-1361 Billingstadsletta, Norway, or wired directly to their bank account: DNC Oslo 7085.05.07382.

Meanwhile the *Saturday Evening Post* Society 3YØB operators are investigating possible alternative sites, including South Sandwich and South Georgia islands. If Club Bouvet is successful in satisfying most of the amateur demand for Bouvet, they may divert some of their considerable resources elsewhere, to provide the amateur and scientific community with the greatest benefit.

### Solar Data





# B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.

All "portable" calls listed with country of operation first, regardless of format used on the air.

## RTTY

8P6AL	14087	0430	27	CA
BZ1FB	14084	1400	23	OH
D44BC	14084	0730	30	CA
ISØCCW	14089	2350	25	CA
IT9IYG	21092	1425	19	OH
RB5IO	14088	0635	30	CA
RL8PYL	14091	0410	23	OH
TJ1MW	21087	1550	25	CA
UA1ZH	14083	0420	27	CA
UM8MTF	14087	0445	26	CA
UQ1GWW	14089	0010	30	CA
Y23NI	21092	1425	19	OH
ZS6PI	14092	0410	19	OH

## 160 Meters

KH3/KNØE	1832	0525	22	WA
KX6DC	1832	0713	24	WA
KX6OI	1834	0708	26	WA
V31BB	1835	0329	18	WA

## 80 Meters

7X4AN	3507	2145	23	NH
9M2AX	3502	1140	22	NH
9M6NA *	3520	2125	26	MA
BY9GA	3501	1430	26	CA
CT5ØØD	3506	0025	1	FL
JA1AGM	3504	1030	18	NH
KX6DC	3503	1125	23	NH
LY2WR	3507	0148	26	FL
LY2WR	3503	1424	24	CA
RAØFB *	3503	2142	26	MA
TA2BK	3511	0201	26	FL
TL8CM	3502	2127	26	MA
UAØFZ	3507	1015	28	NH
UA9UDI	3508	1350	23	CA
UC1AWZ	3503	0322	29	MA
UH8UD	3503	2210	27	NH
UL7JW	3504	1421	23	CA
UO4OR	3508	0334	29	FL
UZ2FWA	3504	0638	28	FL
V31BB	3513	0310	18	IA
VK9NS	3504	1200	24	NH
VS6BG	3503	1140	21	NH
ZS6ANL	3510	0307	28	FL

## 75 Meters

7P8EG	3799	0309	22	CA
HKØHEU	3790	0045	22	CA

## 40 Meters

7P8FC	7005	0217	29	ID
9M2AX	7003	1230	17	IA
FP5GX	7011	0240	21	MA
HZ1AB	7002	0408	23	SC
KX6DC	7002	0634	28	FL
KX6DC	7003	1032	23	MD
LY2BFN	7012	0440	20	SC
LY3BP	7004	0100	21	FL
OY7ML	7002	0825	22	MA
SVØMY/8	7002	0233	30	FL
T77C	7036	0704	25	IL
TA1AZ	7001	2239	30	FL
TK5IU	7001	0052	28	FL
TL8CM	7002	2244	2	FL
UA1O/	7003	1210	19	IA
UB5MAL	Franz Josef Land			
UG6GAW	7005	2209	1	FL
UJ8KA	7005	2305	17	IA
UP1BZO *	7013	1422	23	ID
UR1RWX *	7006	1450	23	ID
US1GB	7013	0012	1	FL
UZ4WWF *	7006 115019			
IA				
VK6RZ *	7004	2210	1	FL

XT2KG	7007	2348	27	FL
YN3CB	7086	0428	23	MD

## 20 Meter CW

3B8CF	14033	0242	20	MA
3B8DA	14018	0310	17	SC
4S7NS	14020	0134	16	SC
6W1AAD	14002	2137	19	SC
9V1XR	14012	1224	21	NH
A61AC	14037	0131	30	MA
BV2A	14015	1313	2	FL
BV2DA	14025	1314	2	FL
BY1QH	14005	0644	28	FL
BZ1DX	14019	1148	25	MA
C6AFV	14006	0224	22	NJ
CEØOGZ	14020	0200	22	CA
CEØOGZ	14014	2241	28	FL
EL2FO	14059	0035	26	IL
EL7X	14011	0635	20	NH
FR4EC	14031	0207	1	FL
FR5AI/G	14019	1851	20	AK
HL5BDS	14018	2220	2	FL
HZ1HZ	14006	2047	20	NH
JT1BC	14002	1222	17	NB
JT2AB	14021	1048	23	NH
JY9SR	14033	0214	1	FL
KH3/KNØE	14025	0431	22	NC
LU1ZA	14003	2248	30	FL
LW1DPZ	14013	0046	30	MA
OY1CT	14016	0128	24	MA
PZ1DV	14004	0205	21	MI
RH8AA	14032	2026	11	MA
RH8AD	14020	0140	16	SC
SV9BAI	14023	2324	20	NH
TA3D	14011	0215	23	CA
UA1OIL	14009	1415	26	IL
UA1OIL	14004	2325	26	FL
UI9AAB	14012	1316	17	SC
UJ8XD	14040	0420	16	UT
US1GB	14014	1134	1	MA
US1GB	14021	2300	30	FL
VQ9DM	14025	0208	23	MA
VU2TEC	14011	0201	1	FL
VU2TTC	14023	1155	16	HP
Z21CA	14004	0420	19	OR
ZD8IAN	14006	2255	30	FL
ZD8VJ	14025	2320	1	FL
ZL7TZ	14031	0747	18	OR
ZP6XDW	14035	0558	28	CT

## 20 Meter SSB

3B8CF	14191	0200	17	VA
4S7RO *	14213	1234	18	MI
4S7VK *	14186	1234	21	MA
5N9NRK	14194	0545	23	CA
5W1KT	14235	0900	25	VA
5W1VK	14200	0450	24	OK
9N1MM	14182	0114	23	FL
A41KJ	14194	1317	24	NH
CT5ØØA	14187	0030	30	MA
FR4FD	14197	1350	24	MI
FR5CP	14187	0213	27	MA
SV5TS	14268	0505	22	CA
UA1OIL	14252	0430	15	OR
UF6QAC	14176	0425	7	OR
UI8ZAA	14247	0430	15	OR
UJ8KAA	14185	0430	20	ME
UL7JC	14180	0223	27	MA
UM9TWA	14225	0438	7	OR
VS6CT	14205	1504	24	MD
VU2BEJ *	14214	1238	21	MA
VU2CVP *	14165	1222	12	MA
VU2NR *	14222	1222	18	MI
XW8KPL	14165	1030	20	FL
YK1AO	14249	0451	20	ME
Z21CA	14184	0410	24	OK

ZC4MT	14181	0428	7	OR
ZK1CG	14192	0356	24	MD

## 17 Meter CW

3B8CF	18075	0318	23	SC
UF6AW	18079	1458	22	NH
VK6RO *	18075	2300	19	SC

## 15 Meter CW

3B8CF	21029	0400	23	GA
3C1EA	21035	2345	23	NJ
4S7EA	21015	2323	24	GA
5H3TW	21024	0055	24	GA
BY4RB	21029	0022	30	OR
BY9GA	21024	0149	24	GA
BZ4RDX	21026	0228	2	FL
CEØOGZ	21013	2252	17	MI
EL2CX	21024	2150	19	NJ
FR5AI/G	21007	1736	24	CA
HL1XP	21015	0020	24	NH
HL5BDS	21020	0110	22	MA
LU1ZA	21016	0105	12	MA
PZ1AP	21023	0004	1	FL
PZ1AV	21004	0104	24	GA
PZ1CP	21010	0340	19	NJ
PZ1DY	21027	0203	29	ID
RC2AN	21013	1606	19	BC
RVØYF	21012	0240	19	IA
TL8CM	21028	0050	28	GA
UØAL	21025	0325	29	ID
UØK/	21015	0119	24	GA
UV1POL				
UA1OFL	21016	1335	23	MA
UI9AWX	21008	1351	15	IL
UL8GA	21007	1333	23	MA
VU2LO	21009	0308	23	GA
ZD7KM	21021	2025	17	IA
ZS3UN/	21026	2020	23	ID
OH8DG				

## 15 Meter SSB

3DAØAH	21365	2000	21	OR
5T5HH	21289	2304	15	FL
5Z4BI	21350	2030	21	OR
7P8FC	21300	1959	18	MS
7X2AN	21292	2004	18	MI
9L1CM	21231	2100	17	IA
9Q5XX	21250	1950	23	FL
9X5KP	21276	1519	27	MA
9X5NH	21261	1941	23	FL
A92BE	21300	0350	17	OR
A92BE	21345	1825	25	NH
CEØMTY	21239	0200	18	NY
D2/	21344	2218	19	FL
LU6ELF				
FH8CB	21311	0345	19	IL
FR5ZD	21295	0322	19	IL
JT1BS	21245	0113	21	ME
JT1KAI	21263	0401	16	MD
TJ/	21355	2008	20	IL
AH6HQ				
UJ8KA	21253	1538	8	OR
XW8KPL	21288	0400	22	CA
XW8KPL	21295	1905	26	MA
Z21GO	21254	2032	24	FL
ZS9A	21365	2209	12	MD

## 12 Meters

FH8CB	24984	1626	26	CA
HKØBKX	24900	1905	23	SC
OY3QN	24900	1305	15	SC
TU2QQ	24956	1622	17	SC
UQ1GXX	24896	1342	22	NH
VU2LO	24902	1215	22	NH

## 10 Meter CW

3C1EA	28003	1426	27	MA
4S7WP	28002	0121	24	MD

9M6HF	28011	2332	28	MD
BV2DA	28010	0005	24	MD
BY4RB	28026	0030	20	IL
BY4RSA	28030	0151	23	MT
BZ4RCC	28019	0130	22	MI
DU3/	28019	0007	19	NY

## KE9A \*

EK1AYW	28008	0258	16	BC
FH5EJ	28026	1605	20	IA
HKØBKX	28005	1358	23	NM
JD1YAA	28580	2355	2	FL
KH3/KNØE	28012	2218	21	NB
LY2BR	28027	1625	23	CA
P29PL	28021	2330	27	FL
TA2BU	28010	1617	23	MT
TK5EL	28036	1336	20	VA
TL8CM	28029	2222	1	FL
UL8BX	28025	1344	21	VA
XT2KG	28010	1420	28	NY
YN/	28023	2345	30	FL

## SMØOIG

YN3CC	28001	1551	24	NJ
ZD8VJ	28023	1540	20	IA

## 10 Meter SSB

3DA0AH	28522	0192	25	CA
3DA0AH	28548	1859	23	CA
3DA0BK	28491	1713	27	MA
3X1SG	28490	1100	26	NJ
3X1SG	28466	2155	22	MA
5H3MO	28461	1710	18	OR
5T5SR	28630	1900	16	OR
5W1VK	28480	0120	24	MD
6W6JX	28463	1342	24	MI
7P8EG	28687	1613	26	MD
7X2DX	28534	1340	23	NJ
9L1CM	28538	1500	18	VA
A22JP	28320	1910	21	NY
A45YT	28575	1355	27	MA
A61AD	28499	1335	19	IA
BV2FA	28516	0037	16	MD
BY9GA	28501	1249	5	MD
EL2CX	28507	1450	18	IL
FP5DX	28600	1940	16	OR
HZ1AB	28492	1350	28	NY
KX6DC	28725	0050	24	MD
OD5QH	28800	1350	24	MD
TA3F	28570	1535	27	IL
TT8GA	28470	1200	24	VA
TZ6VV	28528	2340	24	MD
UA2AO	28518	1621	23	MD
UA2FJ	28513	1427	27	IL
UH8ABD	28431	1225	25	NJ
UL7ACI	28535	1205	6	FL
UL7BBE	28411	1220	25	NJ
VS6AK	28566	0015	25	NJ
VS6BX	28518	1305	25	NJ
VU2NB	28588	1245	24	NJ
XT2KG	28508	1348	27	MA
XT2PS	28580	1500	18	VA
XW8KPL	28496	0025	23	CA
YI0BIF	28539	1345	23	NJ
Y11BGD	28562	1545	1	CT
YN/ SM0OIG	28548	1551	1	CT
Z21BA	28470	1827	21	NY
Z27JV	28644	1943	25	CA
ZC4ESB	28535	1350	18	IL
ZD8PJ	28498	1755	27	MA
ZD9BV	28467	1744	27	MA



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# Calendar

Issue 516 - December 8, 1989

(Changes and hot info in **boldface**.)

Angola - D2 LU6ELF/D2A 21340 kHz 1800ZI511  
Antarctica - KC4 KC4AAC 15M SSB 0100Z I515  
Asiatic RSFSR UAØFZ 3505 1000Z I516  
Bahamas - C6 C6AFP in ARRL 10-Meter contest I504  
Bouvet - 3Y 3YØB Feb. 1-11, 1990 I505  
3W5X Dec. 25-Jan. 8 I516  
Burkino Faso - XT XT2KG by Colvins now. I515  
Central African Rep. TL8CM on CW to Dec. 14 I515  
Chad - TT TT8GA 28485 1200Z I516  
Chagos - VQ9 VQ9DM 14025 0200Z I516  
Chatham Is. - ZL7 ZM7VS Jan. 16-30, 1990 I505  
China - BY BY4RB 21028 0020Z I516  
Dodecanese - SV5 SV5TS 28530 14-1600Z I515  
Easter Island - CEØ CEØDFL 18140 02-0300Z I515  
CEØFF 28030 2200Z I515  
Equatorial Guinea 3C 3C1EA 15M CW/23Z 14040/00Z I515  
Gibraltar - ZB ZB2/F6JD 10-meter test I515  
India - VU VU2TEC 20M CW 0200Z I516  
Iraq - YI YI1BGD 28450-490 1400Z I516  
Johnston Is. - KH3 KNØE/KH3 28026 2130Z I513  
KNØE/KH3 20M CW 0430Z I516  
JY9SR 20M CW 0200Z I516  
Jordan - JY  
Juan Fernandez - CEØ CEØOGZ 14010/0100 21012/2030 I516  
Kazakhstan - UL UL7VV 14210 0200Z I515  
Laos - XW XW8CW/DX Nov. 28-Dec. 7 ? I512  
XW8KPL 04-0700Z, >0900Z I515  
7P8EG 3796 0300Z I516  
Liberia - EL EL2CX 21010 20-2300Z I515  
EL7X 21026 2100Z I515  
by F6EEM, F6FYP Jan. 12-17 I516  
Marianas - KHØ AHØF Jan. 26-29, CQ 160M I516  
Marion Island - ZS8 ZS8MI 14050 13-1500Z Friday I509  
Mauritius - 3B 3B8CF 18074/0300Z 14030/0230Z I514  
3B8FQ 14008 0230Z I514  
FH5EJ 28031 1600Z I514  
Nepal - 9N 9N1MM 14210 0100Z I515  
Ogasawara - JD JA3EMU/JD1 Dec. 31-Jan 8 I515  
A41KJ 14193 LP 1315Z I516  
A45YT 10M SSB 1400Z I516  
Papau New Guinea P2 P29VPY, VCR Dec. 11-16 I512  
Papua New Guinea P29PL 28030 2130-0200Z I515  
Rotuma - 3D 3D2XR by SM7PKK soon? I515  
St. Helena - ZD ZD7KM 15M CW 2030Z I516  
St. Vincent - J8 VE3CPU/J88 Dec. 30-Jan. 30 I516  
San Andres - HKØ HKØBKX 28010 14-1900Z I516

Saudi Arabia - HZ HZ1HZ 14010 2030Z I515  
HZ1AB 28500 1230-1400 I515  
Sierra Leone - 9L 9L1CM 21233 21-2200Z I516  
South Orkneys - VP8 LU1ZA 14014/00Z 21016/23Z I515  
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HL5BDS 14012 22-0100Z I516  
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Sri Lanka - 4S 4S7GF 14005 1145Z I514  
Sudan - ST G4WYG/ST2 20M CW 1800Z I515  
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Taiwan - BV BV2DA 14016/1315Z 28010/00ZI516  
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Tanzania - 5H 5H3TW 75 meters 0300Z I513  
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Thailand - HS HSØE by K9EL Dec. 7-12 I516  
Turkmenistan - UH RH8AA 20M CW 20-2300Z I513  
Turks and Caicos - VP5 VP5P CW Nov. 30-Dec. 10 I514  
United Arab Emirates A61AD 28460 1200Z I514  
Uzbekistan - UI UI9AAB 20M CW 1300Z I516  
Vietnam - 3W 3WØJA Dec. 25-Jan. 5 I516  
Walvis Bay - ZS9 ZS9A 28610 1615Z M, Th, S I514  
West Malaysia - 9M 9M2AX 3502 1200Z I516  
Zaire - 9Q 9Q5XX 21261 20-0200Z I514  
Zambia - 9J 9J2BO 28030 1200Z I514  
Zone 23 BY9GA 21025 0130Z I516

### DX Activities and Contests

Date	Event or Activity	Info
Dec. 9-10	ARRL 10-Meter Contest	QST

### Contributors

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